IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Busse, Reed F.
Serial No.	:	Unknown
Filing Date	: :	Unknown
Title	:	Method and Apparatus To Reduce RF Power In High Field MR Imaging Incorporating Multi-Phase RF Pulse Flip Angles
Group Art No.	:	Unknown
Examining Attorney	:	Unknown
	CERTIFICATION	UNDER 37 CFR 1.8(a) and 1.10
I hereby certify that, on the date shown be deposited with the United State VA 22313-1450 37 CFR 1.8(a) with sufficient postage as first transmitted by facsimile to Fax	es Postal Service in an e	the is being: Mailing Invelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, 37 CFR 1.10 As "Express Mail Post Office to Addressee" Mailing Label No. Transmission Tressed to Examiner at the Patent and Trademark Office.
Date: 7-)03		Jana. Jon

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97/99

Dear Sir:

In compliance with Applicant's duty of disclosure as set forth in 37 C.F.R. §1.56, listed on the attached equivalent to Form PTO-1449 are those patents, publications and other

information known to the Applicant(s) which may be considered material to the patentability of the claims of the above-captioned application. One copy of each reference is attached.

Applicant respectfully request that the documents listed on the attached equivalent to Form PTO-1449 be considered by the Examiner, that the references be made of record in the present application, and that an initialed copy of the duplicate equivalent to Form PTO-1449 be returned to the undersigned in accordance with MPEP 609.

Respectfully submitted,

. Mark Wilkinson

Registration No. 48,865 Direct Dial 262-376-5170

jmw@zpspatents.com

Date: July 2, 2003

Atty. Docket No.: GEMS8081.160

P.O. ADDRESS:

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Complete if Known Substitute for form 1449B/PTO **Application Number** Unknown Unknown Filing Date SUPPLEMENTAL Busse, Reed F. First Named Inventor INFORMATION DISCLOSURE Unknown Group Art Unit STATEMENT BY APPLICANT **Examiner Name** Unknown (use as many sheets as necessary) Attorney Docket Number GEMS8081.160

Sheet

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ.			
		HENNIG, J. et al., RARE Imaging: A Fast Imaging Method for Clinical MR, Magnetic Resonance in Medicine, 1986, pp. 823-833, vol. 3.				
		HENNIG, J., Multiecho Imaging Sequences with Low Refocusing Flip Angles, Journal of Magnetic Resonance, 1988, pp. 397-407, vol. 78.				
		LE ROUX, P. et al., Stabilization of Echo Amplitudes in FSE Sequences, MRM, 1993, pp. 183-191, vol. 30.				
		ALSOP, D., The Sensitivity of Low Flip Angle RARE Imaging, MRM, 1997, pp. 176-184, vol. 37.				
		CONOLLY, S. et al., Variable-Rate Selective Excitation, Journal of Magnetic Resonance, 1988, pp. 440-458, vol. 78.				
		HENNIG, J. et al., Easy Improvement of Signal-to-Noise in RARE-Sequences with Low Refocusing Flip Angles, Magnetic Resonance in Medicine, 2000, pp. 983-985, vol. 44.	-			
		BUSSE, R. et al., Interactive Fast Spin-Echo Imaging, Magnetic Resonance in Medicine, 2000, pp. 339-348, vol. 44.				
		HENNIG, J. et al., Echoes – How to Generate, Recognize, Use or Avoid Them in MR-Imaging Sequences, Part I: Fundamental and Not So Fundamental Properties of Spin Echoes, Concepts in Magnetic Resonance, 1991, pp. 125-143, vol. 3.				
	b.	Pauly, J. et al., Parameter Relations for the Shinnar-Le Roux Selective Excitation Pulse Design Algorithm, IEEE Transactions on Medical Imaging, 1991, pp. 53-65, vol. 10, no. 1.				
		MUGLER, J. III et al., Three-Dimensional T2-Weighted Imaging of the Brain Using Very Long Spin-Echo Trains, Proc. ISMRM, 2000, p. 687.				
* ,						
186-1						

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.